S.No.	*District*	*New Exchanges to be opened (91-92)*	*No. of Exchange to be expanded (91-92)*
44.	Ujjain	7	12
45.	Vidhisha	2	9
		200	570

[English]

Private Sector Participation in Telecommunications

3881. SHRI R. DHANUSKODI ATHITHAN: Will the Minister of COMMUNICATIONS be pleased to state :

(a) whether the Department of Telecommunications has the sole monoply of controlling and running telephone and telecommunications services in the country; and

(b) if not, whether the Government propose to promote the Indian manufacturers producing large size exchanges i.e. MAX in view of new industrial policy introduced in last July?

THE DEPUTY MINISTER IN THE MINISTRY OF COMMUNICATIONS (SHRI P. V. RANGAYYA NAIDU) : (a) Yes, Sir.

(b) Does not arise. However, as regards the manufactures of equipments, as per the new industrial policy, no licence/permission is required for the manufacture of large size exchanges i.e. MAX.

Renovation/Modernisation of Power Station

3882. SHRI K. THULASIAH VANDAYAR: Will the Minister of POWER AND NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether the Government propose to renovate and modernise old power stations in the country in order to augment power-generation capacity; and

(b) if so, the amount proposed to be spent and the details of power stations to be taken up for renovation in different states?

THE MINISTER OF STATE OF THE MINISTRY OF POWER AND NON-CONVENTIONAL ENERGY SOURCES (SHRI KALP NATH RAI): (a) Yes, Sir.

(b) The total estimated cost for Renovation and Modernisation (R&M) Programme (Phase-I and II scheme) is Rs. 1222.88 crores and Rs. 1260.06 crores covering 34 and 46 old thermal power stations, respectively. Details of these stations, in different states, are given in Statements-I and II attached. In so far as Hydro Power Stations are concerned, the estimated cost of R&M works of 66 stations is Rs. 1171 crores. Details of Hydro station proposed for R&M in different states are given in the enclosed Statement-III.

STATEMENT — I

Details of R & M Phase-I Schemes

Sl. No.	*Organisation/Renovation Scheme*	*No./Rating of units (MW) covered under Renovation*	*Total Rs. Lakhs.*
1	*2*	*3*	*4*
1.	NTPC/Badarpur	5/3x100, 2x210	3697.00
2.	DESU/I.P.	5/1x35, 3x62.5, 1x60	5380.95
3.	HSEB	6	6355.00
	(i) Faridabad	3x60, 1x15	4300.00
	(ii) Panipat	2x110	2055.00
4.	PSEB/Bhatinda	4/4x110	4615.00
5.	UPSEB	27	19531.00
	(i) Panki	2x32, 2x210	4466.00
	(ii) Obra	5x50, 3x100, 5x200	6770.00
	(iii) Harduaganj	3x30, 2x50, 4x60, 1x100	8295.00

Sl. No.	Organisation/Renovation Scheme	No./Rating of units (MW) covered under Renovation	Total Rs. Lakhs.
1	2	3	4
6.	MPEB	21	7699.14
	(i) Korba	1x10, 3x30, 4x50, 2x120	2088.00
	(ii) Amarkantak	2x30, 2x210	1705.00
	(iii) Satpura	5x62.5, 1x200, 210	3988.00
7.	GEB	10	6903.29
	(i) Gandhinagar	2x120	1921.47
	(ii) Dhuvaran	4x63.5, 2x140	1594.00
	(iii) Ukai	9	4601.25
	(iv) Paras	1x30, 1x62.5	259.75
9.	APSEB	9	10512.00
	(i) Kothagundam	4x60, 4x110	9947.00
	(ii) Ramagundam	1x62.5	565.00

l. No.	*Organisation/Renovation Scheme*	*No./Rating of units (MW) covered under Renovation*	*Total Rs. Lakhs.*
1	*2*	*3*	*4*
10.	TNEB	8	15672.29
	(i) Ennore	2x60, 3x110	14695.00
	(ii) Tuticorin	3x210	977.29
11.	NLC/Neyveli	9.3x100, 5x50	4970.78
12.	OSEB/Talcher	4/4x62.5	3615.50
13.	DVC	11+2*	8870.20
	(i) Chandrapura	3x120, 3x140	6763.00
	(ii) Bokaro	3x50, 1x55	1272.00
	(iii) Durgapur	2x55, 1x140	835.20

l. No.	*Organisation/Renovation Scheme*	*No./Rating of units (MW) covered under Renovation*	*Total Rs. Lakhs.*
1	*2*	*3*	*4*
14.	BSEB	16	9730.00
	(i) Patratu	4x50, 2x100, 2x110	6813.00
	(ii) Barauni	2x50, 2x15	2399.00
	(iii) Karbigahia	2x1.5, 1x3, 1x7.5	518.00
15.	WBSEB	8	5773.00
	(i) Santaldih	4x120	2192.00
	(ii) Bandel	4x80	3581.00
16.	IPL/Durgapur	5/2x30,1x70, 2x75	3552.00
17.	ASEB/Namrup	5/3x23, 1x12.5, 1x30	810.00
	TOTAL:	162 + 2*	122288.40

STATEMENT—II

Proposed Second Phase R&M Schemes During Eighth Plan Period

As on 1.12.1991

Sl. No.	Organisation/Renovation Scheme.	No/Rating of Units (MW) covered under Renovation	Cap. (MW)	Estimated cost (Rs. lakhs)
1	2	3	4	5
A.	Details of Proposed Second Phase R&M Schemes Cleared by T.E.C. Committee of C.E.A.			
1.	DESU/IP	5/1X30+3X62.5+1X60	277.50	1570.00
	HSEB			
2.	Faridabad	3/3x55	165.00	1050.00
3.	Panipat	2/2x110	220.00	1658.00
	PSEB			
4.	Ropar	2/2x210	420.00	560.00
5.	Bhatinda	4/4x110	440.00	750.00
	RSEB			

I. No.	Organisation/Renovation Scheme.	No/Rating of Units (MW) covered under Renovation	Cap. (MW)	Estimated cost (Rs. lakhs)
1	2	3	4	5
6.	Kota	2/2x110	220.00	3904.00
	UPSEB			
7.	Obra	13/5x40+3x94+5x200	1482.00	13800.00
8.	Panki	4/2x42+2x105	274.00	1510.00
9.	Harduaganj	8/1x30+2x40+4x60+1x105	455.00	3320.00
10.	Paricha	2.2x110	220.00	1013.00
	MPEB			
11.	Amarkantak	2/2x120	240.00	2816.00
12.	Korba (East)	6/4x40+2x120	400.00	2656.00
13.	Korba (West)	2/2x210	420.00	940.00

l. No:	*Organisation/Renovation Scheme.*	No/Rating of Units (MW) covered under Renovation	Cap. (MW)	Estimated cost (Rs. lakhs)
1	2	3	4	5
14.	Satpura	9.5x62.5+1x200+3x210	1142.05	1340.00
	GEB			
15.	Ukai	5/2x120+2x200+1x210	850.00	2708.00
	MSEB			
16.	Koradi	7/4x115+200+2x210	1080.00	999.00+390.00*
17.	Chandrapura	2/2x210	420.00	1337.00+611.00*
18.	parli	4.2x30+2x210	480.00	714.00+665.00
19.	Bhusawal	3/2x210+1x58	478.00	442.00+634.00*
20.	Nasik	5/2x140+3x210	910.00	1692.00+3876.00*
	TNEB			
21.	Enhore	5/2x60+3x110	450.00	6890.00
22.	Tuticorin	3/3x210	630.00	1043.00

I. No.	Organisation/Renovation Scheme.	No/Rating of Units (MW) covered under Renovation	Cap. (MW)	Estimated cost (Rs. lakhs)
1	2	3	4	5
	APSEB			
23.	KOTHAGUDEM	4/2x105+2x110	430.00	2903.00
24.	Nellore	1/1x30	30.00	1385.00
	NLC			
25.	Neyveli	9/1x45+5x50+2x100+1x95	590.00	25000.00
	WBPDC			
26.	Kolaghat	2/2x210	420.00	926.00
	WBSEB			
27.	Santaldih	4/4x120	480.00	1277.00
	DVC			
28.	Chandrapura	6.3x120+3x140	780.00	2722.00
29.	Durgapur	2/1x140+1x210	350.00	1441.00
	WB			
30.	Durgapur(DPL)	5/2x30+1x70+2x75	280.00	

I. No.	*Organisation/Renovation Scheme.*	No/Rating of Units (MW) covered under Renovation	Cap. (MW)	Estimated cost (Rs. lakhs)
1	2	3	4	5
	BSEB			
31.	Baruni	4/2x50+2x105	310.00	1577.00
32.	Patratu	10/4x40+2x90=2x105+2x110	770.00	7583.00
	ASEB			
33.	Bongaigaon	4/60	240.00	880.00
	OSEB			
34.	Talcher	6/4x60+2x110	460.00	11040.80
	Sub Total:	155	16814.00	111858.00 + -6176.00

I. No.	Organisation/Renovation Scheme.	No/Rating of Units (MW) covered under Renovation	Cap. (MW)	Estimated cost (Rs. lakhs)
1	2	3	4	5
B.	Details of proposed second Phase R&M Schemes each costing less than Rs. 5.00 Crores.			
	APPROVED BY MEMBER (0) CEA.			
	GEB			
1.	Gandhinagar	2.2x120	240.00	90.00
2.	Wanakbori	3.3x210	630.00	337.00
3.	Dhuvaran	6.4x63.5 + 2x140	534.00	139.00
	MSEB			
4.	Paras	2/1x58+1x20	78.00	344.00)+) 644*
	DVC			
5.	Bokaro	4/3x50+1x40	190.00	284.00
	BSEB			
6.	Muzaffarpur	2/2x110	220.00	292.00
	Sub Total	19	1892	1476.50(+) 644

I. No.	*Organisation/Renovation Scheme.*	No/Rating of Units (MW) covered under Renovation	Cap. (MW)	Estimated cost (Rs. lakhs)
1	2	3	4	5
C.	Details of Proposed Second Phase R&M Schemes Under Examination in CEA/YET to be Received from SEBs/ORGN.			
1.	Badarpur	5.3x95+2x210	705.00	3500.00
	WBSEB			
2.	Bandel	4/4x80	320.00	3672.00
	ASEB			
3.	Chandrapura	2/2x30	60.00	300.00
4.	Namrup	5/2x22+1x12.5+1x30=1x22.5	111.00	3200.00
5.	Lakwa	4/4x15	60.00	
6.	Mobile Gas Turbine at Galeky and Kathulguri	7/7x2.705	18.09	2000.00
	Sub-Total	27	1274.9	12672.00

ABSTRACT

Sl. No.	Particulars	No. of Schemes	Units covered		Est. Cost (Rs. lakhs)
			No.	Cap. (MW)	
A.	Schemes cleared by TEC/CEA	34	155	16814.00	111858.00 + 6176.00*
B.	Schemes approved by Member (0)/CEA	6	19	1892.00	1476.50+ 664.00*
C.	Schemes under examination/yet to be received from SEBs/Organisation.	6	27	1274.09	12672.00
	Grand Total (A+B+C)	46	201	19980.90	126006.50+ 6840.00*

* Proposed to be financed from saving out of World Bank Loan sanctioned for Chandrapura Thermal Power Station/SEB.

STATEMENT-III

Renovation & Modernisation of Hydro Power Stations Updated Estimated Cost

Rs. in crores

Sl. No.	*Power Stations*	*Capacity (MW)*	*Updated estimated cost*
1.	2.	3.	4.
I.	ANDHRA PRADESH		
1.	Macnkuna	3X17+3X21.25	90.00
2.	Nizxam Sagar	2x5	5.75
3.	Supper Sileru	2X60	10.00
4.	Tungabhadra Dam	4x9	5.00
5.	Hampi	4x9	5.0
6.	Srisailam	7x110	16.0
7.	Lower Sileru	4x115	9.0
8.	NSPH	1x100+7x100.8	20.00
9.	Donkarayi	1x25	2.00
10.	NSRCPP	3x30	5.00
11.	Pochempad,	3x9	3.00
II.	BIHAR		
12.	Koshi	4x4.8	0.422
13.	Subernarekha	2x65	1.055
III.	GUJARAT		
14.	Ukai	4x75	13.0
IV.	HIMACHAL PRADESH		
15.	Giri	2x30	9.85

Rs. in crores

Sl. No.	*Power Stations*	*Capacity (MW)*	*Updated estimated cost*
1.	2.	3.	4.
V.	JAMMU & KASHMIR		
16.	Chenani	5x4.66	5.37
17.	Lower Jhelum	3x35	12.17
18.	Sumbal Sindh	2x11.5	4.66
VI.	KARNATAKA		
19.	Nagjhari	6x135	10.36
20.	i) Sharavathy	10x89.1	46.00
	ii) Sharavathy, Unit 9 & 10	2x89.1	8.94
21.	Shivasamudram	6x3+4x6	0.85
22.	Mahatma Gandhi	4x12+4x18	1.51
23.	Munirabad	3x9	8.49
VII.	KERALA		
24.	Poringalkuthu	4x8	8.06
25.	Neriamangalam	3x15	6.28
26.	Sabarigiri	6x50	54.50
27.	Sholayar	3x18	7.58
28.	Pallivasal	3x5+3x7.5	8.04
VIII.	MAHARASHTRA		
29.	Koyna I & II	4x65+4x75	38.53
30.	Koyna III	4x80	0.80

Rs. in crores

Sl. No.	*Power Stations*	*Capacity (MW)*	*Updated estimated cost*
1.	2.	3.	4.
IX.	MEGHALAYA		
	31. Kyrdemkulai	2x30	1.52
X.	ORISSA		
	32. (I) Hirakut-I, Unit 1 & 2	2x37.5	69.41
	(ii) Hirakud-I, Units 3 &	2x24	54.30
	(iii) Hirakud-I, Units 5 & 6	2x37.5	82.64
	33. Hirakud-II	3x24	35.91
XI.	PUNJAB		
	34. UBDC	3x15	9.23
XII.	RAJASTHAN		
	35. Ranapartap Sagar	4x43	15.72
XIII.	TAMIL NADU		
	36. Moyar	3x12	1.62
	37. Kundah III	3x60	5.45
	38. Papanasam	4x7	10.88
	39. Periyar	4x35	22.00
	40. Sholayar-I	2x35	1.40
	41. Pykara	3x6.65+2x11+2x14	11.27
	42. Mettur Dam	4x10	16.34
	43. Kadamparai	4x100	14.720

Rs. in crores

Sl. No.	*Power Stations*	*Capacity (MW)*	*Updated estimated cost*
1.	2.	3.	4.
XIV.	TRIPURA		
	44. Gumti	2x5	12.87
XV.	UTTAR PRADESH		
	45. Pathri	3x6.8	1.06
	46. Khatima	3x13.8	1.64
	47. Dhalipur	3x17	3.54
	48. Ramganga	3x66	0.525
	49. Chilla	4x36	4.260
	50. Tiloth	3x30	8.02
	51. Rihand	6x50	1.43
	52. Obra	3x33	1.53
XVI.	WEST BENGAL		
	53. Jaldhaka I & II	3x9+2x4	2.55
CENTRAL SECTOR			
	BBMB		
	54. Bhakra Left Bank	5x108	50.00
	55. Bhakra Right Bank	5x132	77.50
	56. Kotla	2x24.2	28.00
	57. Ganguwal	2x24.2	27.00
	58. Pong	6x60	25.00